

GBPUSD Expert Advisor (GU Bot) – Developer Brief

This is a concise, one-page instruction set for building the GU bot Expert Advisor (EA) to be deployed on a \$200,000 FundedNext account with VPS hosting. The EA must follow strict risk and prop firm rules while aiming for consistent profits (3–5% per month).

Core Requirements:

- Platform: MT5 preferred. Provide source (.mq5), compiled (.ex5), and README.
- Strategy: H1 EMA(50) trend filter + M15 pullback to EMA(20) or fib(38.2–61.8) + reversal candle + RSI(14).
- SL/TP: Structural SL (≥ 15 pips). TP default = 1.5R. Partial exit at 1R (50%). Remainder trails BE.
- Position sizing: $\text{Risk} = (\text{Risk\%} \times \text{Account}) \div (\text{SL_pips} \times \text{pipValue})$. Live pipValue only.
- Risk Manager: Enforce trade, daily, and overall limits. No override allowed.
- Scaling: 1 add allowed at 50% retrace, half initial risk, within total risk cap.
- News filter: Block high-impact news (± 30 –120 min, configurable).
- Spread/Slippage: Cancel trades if spread $> 3 \times \text{avg}$ or slippage $>$ set threshold.
- Session: London/NY only (07:00–17:00 server).
- Kill-Switch: Halt trading if daily loss $\geq \$7,500$ or overall $\geq \$16,000$. Send Telegram/email alert.
- Logging: Save all trades (time, SL, TP, reason, lot, spread, slippage). Provide daily summary.

Default Parameters:

- Account size = 200,000
- Per-trade risk = 0.35% (\$700)
- Max total risk = 1.5% (\$3,000)
- Max open trades = 3
- Daily internal limit = \$7,500 (FundedNext hard = \$10,000)
- Overall internal limit = \$16,000 (FundedNext hard = \$20,000)
- Min SL = 15 pips | TP ratio = 1.5R | Partial exit = 50% at 1R

Deliverables:

- Source (.mq5), compiled EA (.ex5), .set files (demo & live).
- Backtests (2015–present, tick data), out-of-sample, Monte Carlo (2000 runs).
- Stress tests (spread, slippage, news).
- VPS installation guide & watchdog/heartbeat integration.
- 2-week demo run before live use.

This brief is final. EA must strictly enforce all risk rules to comply with FundedNext prop firm limits. Do not build shortcuts or hidden overrides.